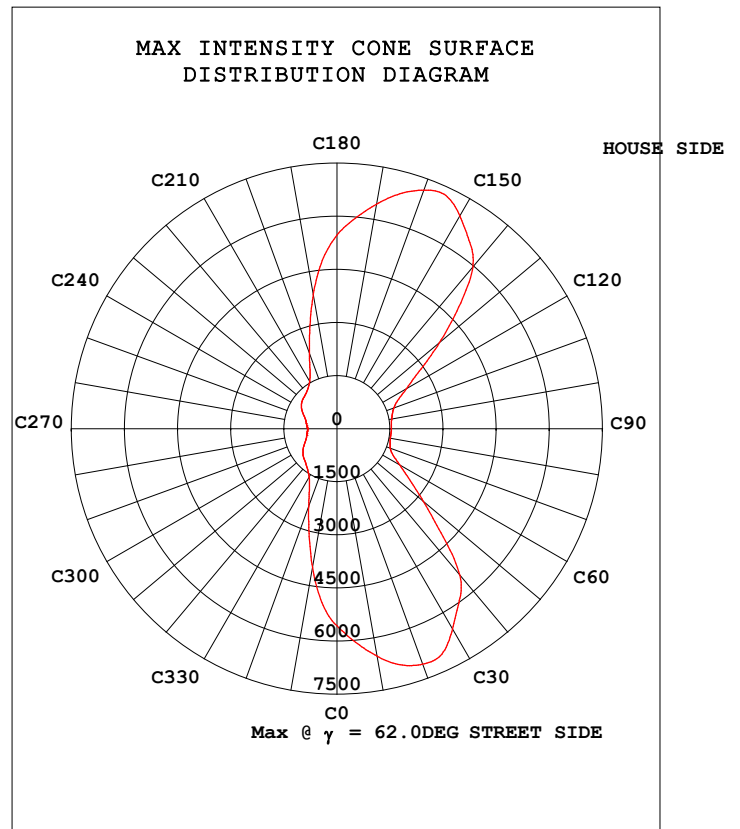
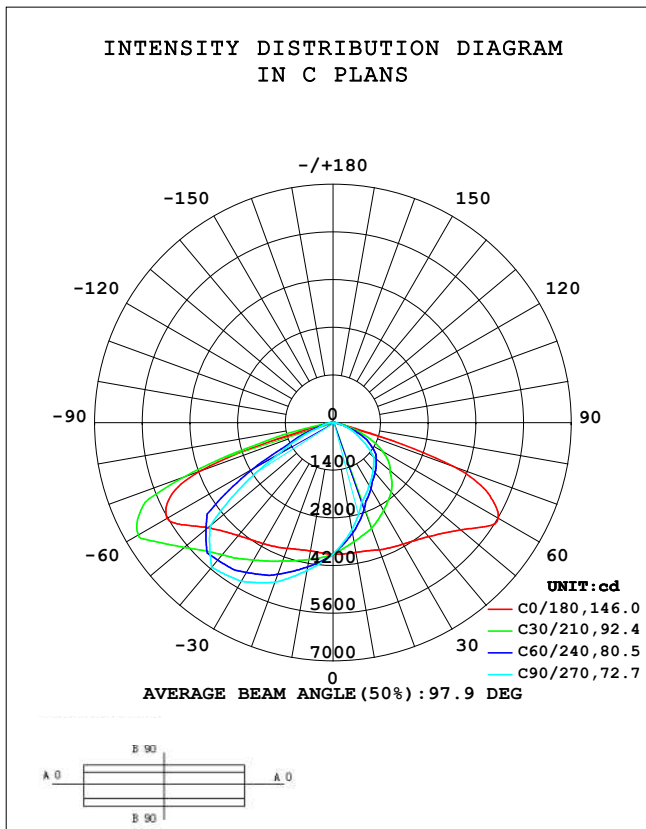


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.08 lm/W			
MODEL	LED	Imax (cd)	7272	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	50.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	15360	η house_up (%)	0.0
NOMINAL FLUX (lm)	15359.9	MAXIMUM @ (C, γ)	155,62.0	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.193



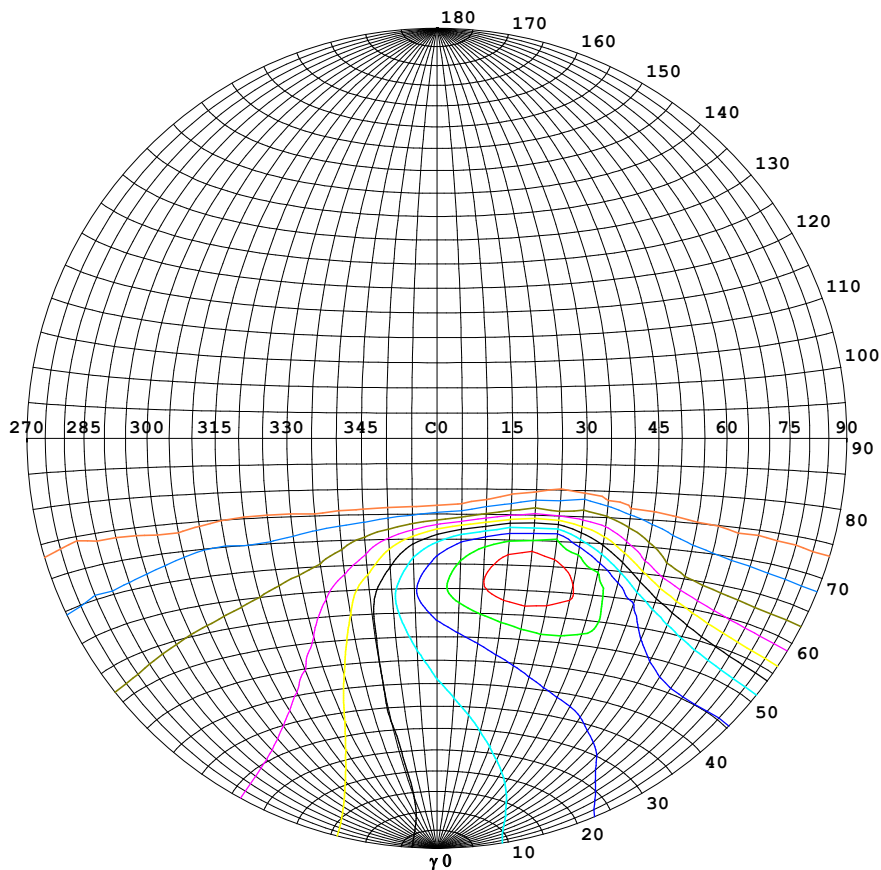
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



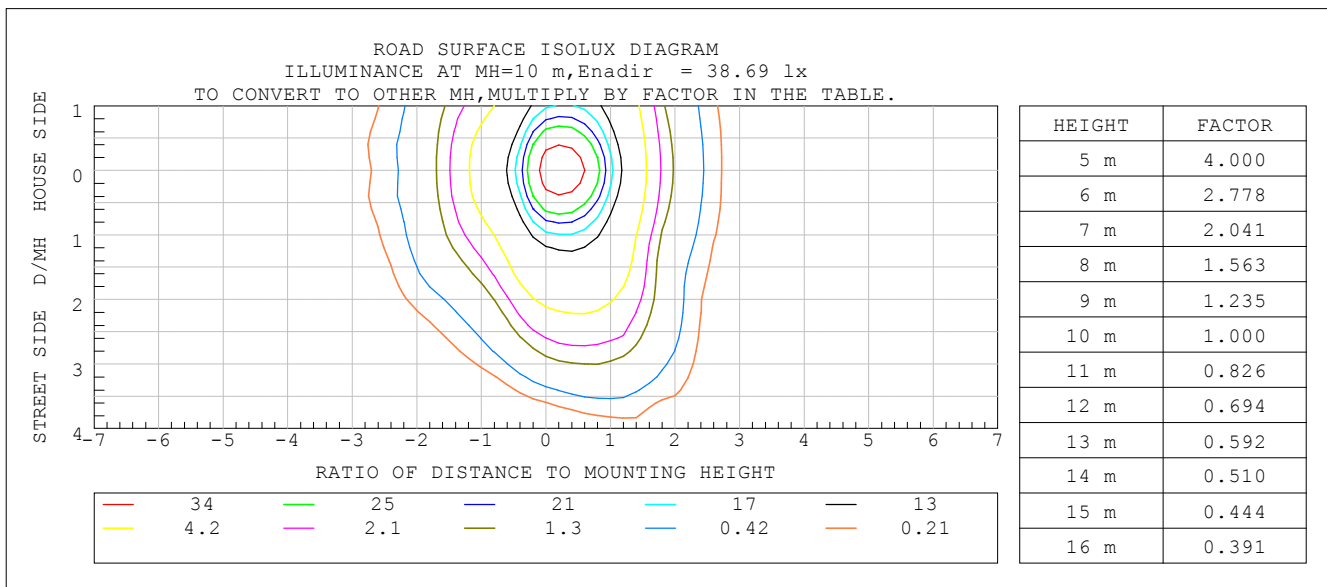
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:33.66cd/klm
Max.At90:3.885cd/klm
Max.80-90:33.66cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7272
90%	6545
80%	5818
70%	5090
60%	4363
50%	3636
40%	2909
30%	2182
20%	1454
10%	727
5%	364

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

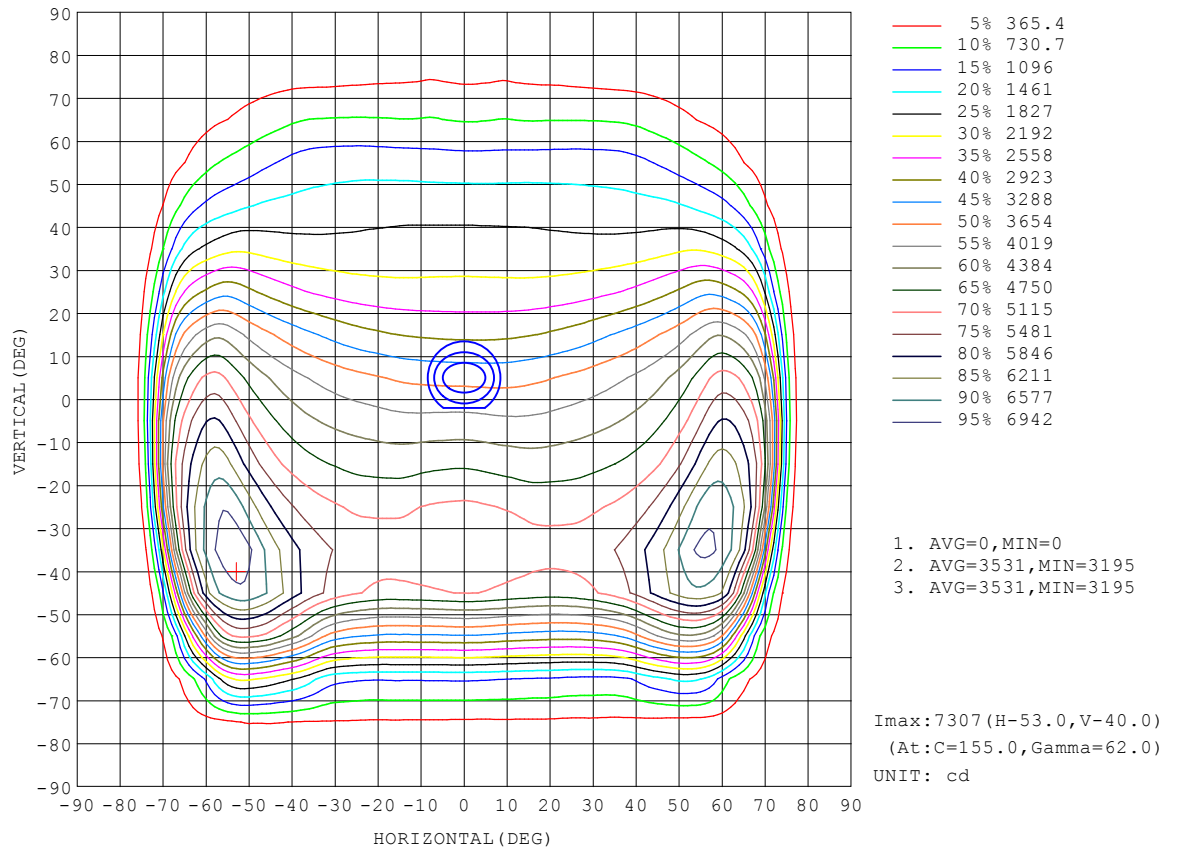
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	3842	4040	4137	4060	3870	3635	3534	3619	0- 5	92.07	92.07	0.60,0.60
10	3827	4198	4406	4241	3871	3414	3198	3387	5- 10	273.8	365.8	2.38,2.38
15	3859	4360	4697	4410	3898	3203	2841	3181	10- 15	451.7	817.6	5.32,5.32
20	3934	4532	4988	4580	3976	2948	2485	2941	15- 20	625.7	1443	9.4,9.4
25	4020	4717	5186	4765	4046	2684	2309	2691	20- 25	795.7	2239	14.6,14.6
30	4105	4897	5384	4939	4121	2476	2133	2490	25- 30	962.4	3201	20.8,20.8
35	4201	5058	5464	5101	4224	2279	1984	2292	30- 35	1124	4325	28.2,28.2
40	4331	5219	5544	5280	4372	2056	1835	2067	35- 40	1277	5603	36.5,36.5
45	4524	5361	5126	5453	4595	1925	1699	1925	40- 45	1417	7019	45.7,45.7
50	4807	5537	4709	5675	4900	1755	1563	1752	45- 50	1532	8552	55.7,55.7
55	5255	5300	3262	5607	5351	1590	1245	1586	50- 55	1611	10163	66.2,66.2
60	5623	4876	1815	5414	5599	1397	927.4	1391	55- 60	1597	11760	76.6,76.6
65	5315	3061	1135	4020	5081	1145	703.2	1112	60- 65	1451	13210	86,86
70	4111	1621	454.4	2494	3758	789.7	479.1	741.9	65- 70	1174	14385	93.7,93.7
75	866.6	536.3	315.9	788.0	687.2	399.1	291.4	355.3	70- 75	688.0	15073	98.1,98.1
80	171.0	245.0	177.4	335.2	148.1	195.3	103.6	170.2	75- 80	210.8	15284	99.5,99.5
85	87.86	60.17	0	68.07	62.90	37.31	0	31.87	80- 85	65.52	15349	99.9,99.9
90	59.67	0	0	0	49.50	0	0	0	85- 90	10.57	15360	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

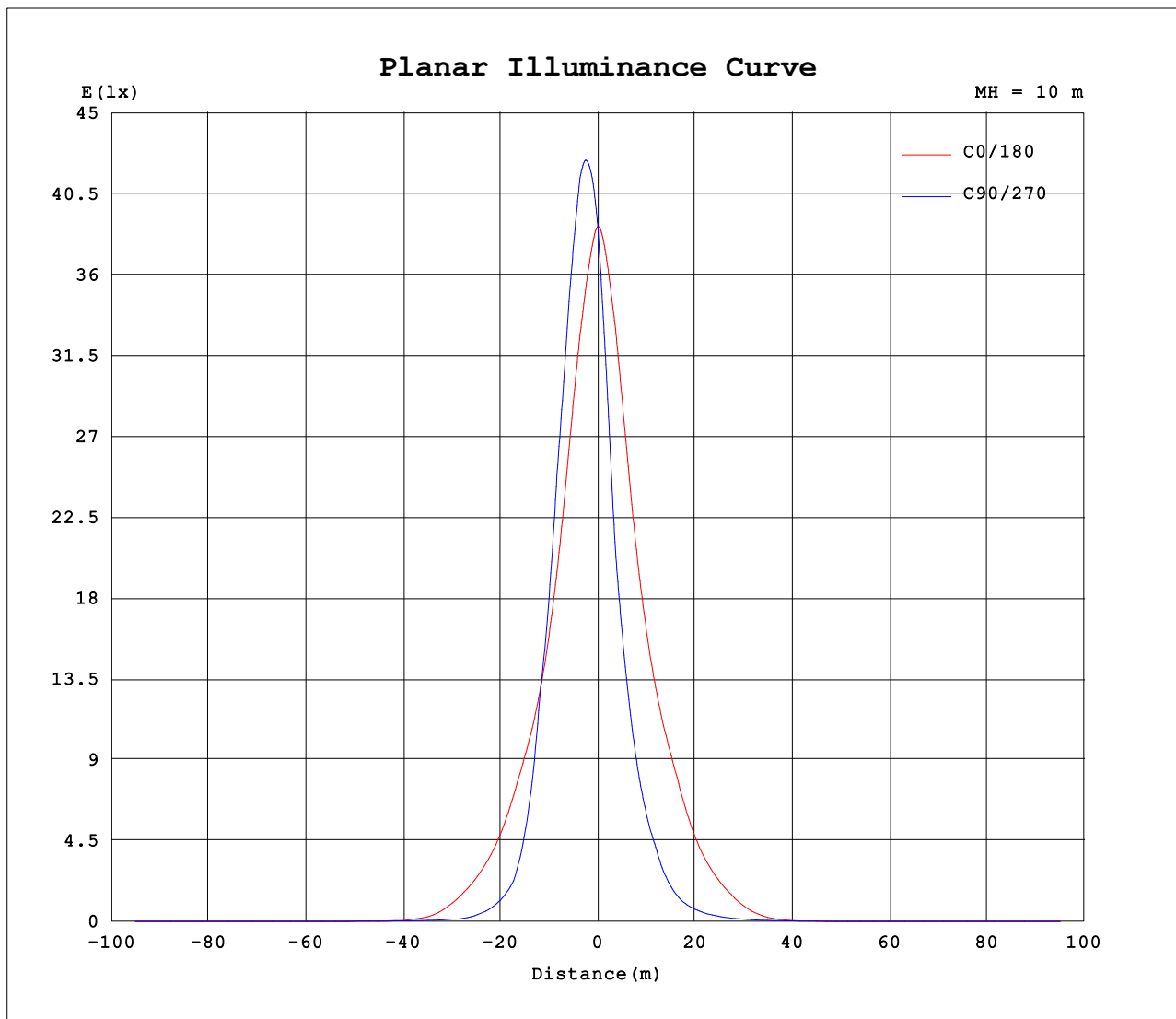
Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



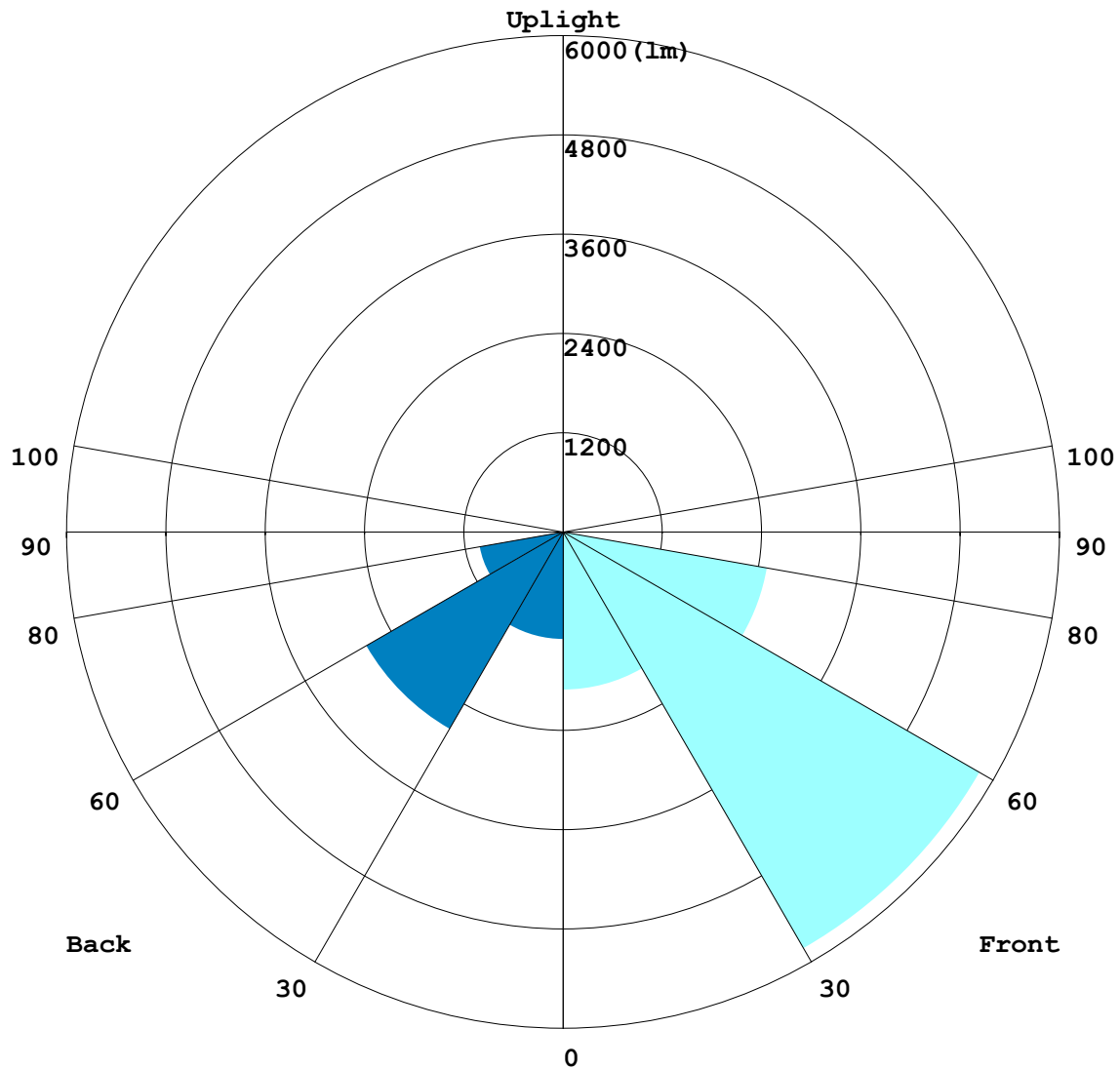
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1905.6	12.4
FM - Front-Medium(30-60)	5811.8	37.8
FH - Front-High(60-80)	2501.8	16.3
FVH - Front-Very High(80-90)	48.551	0.3
Total Forward Light	10268	66.8

BL - Back-Low(0-30)	1295.8	8.4
BM - Back-Medium(30-60)	2746.4	17.9
BH - Back-High(60-80)	1022.3	6.7
BVH - Back-Very High(80-90)	27.537	0.2
Total Back Light	5092.1	33.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5092.1	0	5092.1
Street Side	10268	0	10268

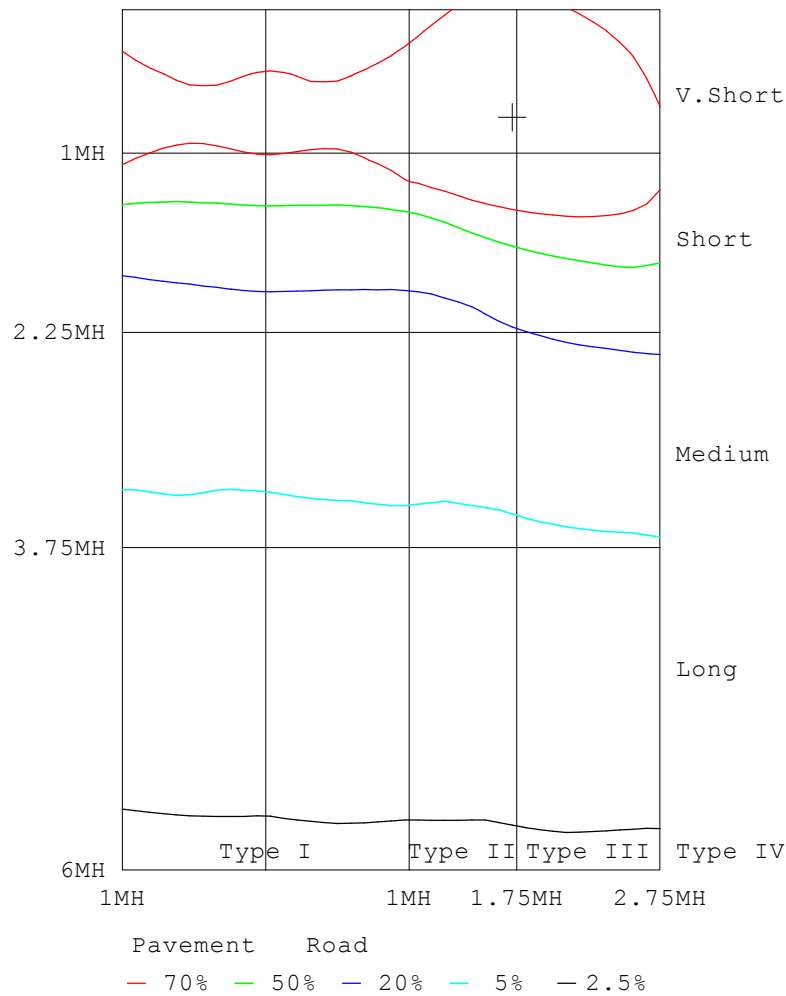
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.4620A P:100.3W PF:0.9835 Lamp Flux:15359.9x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```